

# SHUANG GENG

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## Skills

- Adept at operating common lab instruments such as balances, pipettes
- Skilled in using Microsoft Word, Excel, and PowerPoint

## Professional Experience

- Teaching Assistant** **01/2013 to 05/2013**  
**University of Alabama** **Tuscaloosa, US**
- Participated in the project “Carbon dioxide enhanced oil production from the Citronelle Oil Field in the Rodessa Formation, South Alabama” and sorted geology data from oil field maps
- Research Assistant** **08/2012 to 12/2012**  
**University of Alabama** **Tuscaloosa, US**
- Participated in the project “The development of magnetic nanoparticles for bioimaging” and synthesized magnetic nanoparticles
- Research Assistant** **07/2009 to 07/2012**  
**Chinese Academy of Sciences** **Beijing, CN**
- Worked on the project “Research on gas back-mixing in micro-fluidized beds”, investigated the extent of gas back-mixing in micro-fluidized beds with the steady-state helium tracer technique, and verified the results by using the impulse helium tracer technique
  - Participated in the project “Fundamental research for coal liquefaction” and worked on equipment operation, coal selection, grinding, screening, and drying
- Research Assistant** **01/2009 to 06/2009**  
**Xiangtan University** **Xiangtan, CN**
- Participated in the project “Treatment of P608 wastewater from Caprolactam production” and synthesized Hydroxy cyclohexyl phenyl ketone through Cyclohexyl sulfonic acid
- Research Assistant** **03/2007 to 07/2007**  
**Xiangtan University** **Xiangtan, CN**
- Participated in the project “Treatment of P608 wastewater from Caprolactam production” and worked on literature investigation

## Education

- Master of Chemical Engineering** **2013**  
University of Alabama **Tuscaloosa, US**
- Master of Chemical Engineering** **2012**  
Chinese Academy of Sciences **Beijing, CN**
- Bachelor of Chemical Engineering** **2009**  
Xiangtan University **Xiangtan, CN**

## Publications&Seminars

- **Shuang Geng**, Jian Yu, Juwei Zhang, Hongmei Guo, Junrong Yue, Guangwen Xu. Gas back-mixing in micro fluidized beds(In Chinese), CIESC Journal, 867-876, 64(2013)
- Jian Yu, Changbin Yao, Xi Zeng, **Shuang Geng**, Li Dong, Yin Wang, Shiqiu Gao, Guangwen Xu. Biomass pyrolysis in a micro-fluidized bed reactor: Characterization and kinetics, Chemical Engineering Journal, 839-847,168(2011)
- Gas back-mixing research for micro-fluidized bed reactor analyzer(Poster presentation), 2011 IPE-TITECH-KIMM Joint Symposium—Solid Wastes to Energy and Materials, Xianghe, China, December 2011

## Volunteer Experience

- 09/2009-05/2010 Classroom helper
- 09/2007-07/2008 Classroom helper
- 09/2006-05/2007 Editor of Xiangtan University Magazine
- 09/2006-04/2007 Leader of Sifeng Student Literary Society

## Honors

- 09/2007 Excellent Organizer of Challenge Matches among Classes of Xiangtan University
- 03/2007 Excellent Student of Morning Reading of Xiangtan University
- 03/2007 Excellent Contestant of Comprehensive Knowledge Competition of Xiangtan University
- 09/2006 Excellent Student of the Junior Youth League of Xiangtan University